

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/073898 A1

(51) International Patent Classification⁷: **G06K 13/08**

(21) International Application Number:
PCT/US2005/002155

(22) International Filing Date: 24 January 2005 (24.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-016978 26 January 2004 (26.01.2004) JP

(71) Applicant (for all designated States except US): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).

(72) Inventor: **MARUYAMA, Shinichiro**; 5-4 Fukamihigashi, 1-chome Yamato-shi, Kanagawa (JP).

(74) Agent: **CALDWELL, Stacey, E.**; Molex Incorporated, 2222 Wellington Court, Lisle, IL 60532 (US).

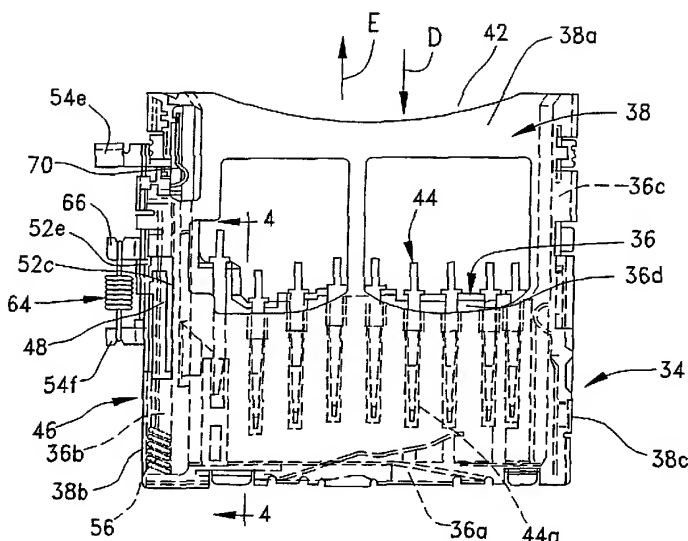
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report
— with amended claims

[Continued on next page]

(54) Title: MEMORY CARD CONNECTOR WITH CARD OVER-RUNNING PROTECTION



(57) Abstract: A memory card connector (34) includes an insulative housing (36) having a terminal mounting section (36a) which mounts a plurality of conductive terminals (44) having contact portions (44a) for engaging appropriate contacts on a memory card (60). The housing at least in part defines a card-receiving cavity (40) for receiving the memory card. A card eject mechanism (46) includes a slider (50) movably mounted on the housing. The slider is engageable with the memory card for movement therewith into and out of the cavity between an inserted connection position and a withdrawal position. The card eject mechanism includes an ejection spring (56) to bias the slider and memory card in an ejection direction toward the withdrawal position. A catch means (70) is provided for catching the memory card in its movement in the ejection direction and preventing the memory card from moving under inertia beyond the withdrawal position.



Date of publication of the amended claims: 6 October 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.